### **EAST Search History**

| Ref<br>#    | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|-------------|------|--|---|---------------------|---------|------------------|
| S1          | 3    | (mov\$3 or movement or motion) near2 (detect\$3) same (edge or contour or boundary) same (center adj line) same (histogram\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 10:40 |
| S2          | 8    | (mov\$3 or movement or motion) near2 (detect\$3) same (edge or contour or boundary) same (stereo\$6 adj image)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 14:14 |
| S3          | 124  | Lu-tom-y.xa.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 10:58 |
| S4          | 143  | (mov\$3 or movement or motion)<br>near2 (detect\$3) same (stereo\$6<br>adj image)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 11:02 |
| S5          | 3    | S4 and (edge or contour or boundary) same (histogram\$5 or profil\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 11:24 |
| S6          | 290  | stereo\$6 adj imag\$3 same (distance near image)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 11:20 |
| <b>S7</b> . | 10   | S6 and (edge or contour or boundary) same (histogram\$5 or profil\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 11:27 |
| \$8<br>     | 3309 | (382/103 382/106 382/154).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/29 11:33 |

### **EAST Search History**

|     |   |    |  |   |    |    | <del></del>      |
|-----|---|----|--|---|----|----|------------------|
| S9  | • | 10 | S6 and S7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/29 11:33 |
| S10 |   | 28 | S6 and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/29 11:33 |
| S11 | : | 1  | ((mov\$3 or movement or motion)<br>near2 (detect\$3) same (edge or<br>contour or boundary) same<br>(stereo\$6 adj image)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/29 14:15 |
| S12 |   | 19 | histogram\$5 same (maxima or<br>maximum or peak) same (center adj<br>line)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/29 14:54 |

Day: Thursday Date: 3/29/2007

Time: 14:51:22





# PALM INTRANET

#### **Inventor Name Search Result**

Your Search was:

Last Name = SHIMADA First Name = TAKAMICHI

| Application# | Patent#       | Status | Date Filed | Title   | Inventor Name         |
|--------------|---------------|--------|------------|---|-----------------------|
| 07318130     | 5018068       | 150    | 03/02/1989 | METHOD OF DETERMINING ENGINE RACING AND METHOD OF PREVENTING ENGINE RACING DURING SHIFT IN VEHICULAR AUTOMATIC TRANSMISSION | SHIMADA,<br>TAKAMICHI |
| 07343023     | Not<br>Issued | 166    | 04/25/1989 | METHOD OF CONTROLLING<br>SPEED RANGE SHIFTING IN<br>AN AUTOMATIC<br>TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 07353829     | 5012699       | 150    | 05/18/1989 | APPARATUS FOR<br>CONTROLLING GEARSHIFTS<br>IN AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 07389765     | 5020391       | 150    | 08/04/1989 | APPARATUS FOR<br>CONTROLLING GEARSHIFTS<br>IN AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 07389851     | 5128868       | 150    | 08/04/1989 | APPARATUS FOR<br>CONTROLLING GEARSHIFTS<br>IN AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 07520416     | 5193417       | 150    | 05/08/1990 | TRANSMISSION WITH ONE-<br>WAY CLUTCHES AND<br>FAILSAFE METHOD OF AND<br>APPARATUS FOR<br>CONTROLLING THE<br>TRANSMISSION    | SHIMADA,<br>TAKAMICHI |
| 07903723     | 5355772       |        |            | HYDRAULIC SERVO UNIT<br>WITH SOLENOID OPERATED<br>VALVES HAVING VARIABLE<br>DUTY CYCLES                                     | II II                 |
| 07957436     | 5269490       | 150    | 10/06/1992 | SOLENOID VALVE  | SHIMADA,              |

|          |         |     |            | MOUNTING ASSEMBLY   | TAKAMICHI             |
|----------|---------|-----|------------|---|-----------------------|
| 08006058 | 5417623 | 150 | 01/19/1993 | METHOD OF CONTROLLING CONTINUOUSLY VARIABLE TRANSMISSION FOR MOTOR VEHICLE FOR ACCELERATION AND DECELERATION SKIP CONTROL | TAKAMICHI             |
| 08059146 | 5307777 | 250 | 05/07/1993 | THROTTLE OPENING<br>CONTROL SYSTEM FOR<br>AUTOMOTIVE ENGINE   | SHIMADA,<br>TAKAMICHI |
| 08542006 | 5660398 | 150 | II '       | HYDRAULIC SEALING<br>DEVICE   | SHIMADA,<br>TAKAMICHI |
| 08542082 | 5941534 | 150 | 10/12/1995 | HYDRAULIC SEAL SYSTEM   | SHIMADA,<br>TAKAMICHI |
| 08597014 | 5749805 | 150 | 02/05/1996 | APPARATUS FOR<br>CONTROLLING GEAR SHIFT<br>IN AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 08626892 | 5704874 | 250 | 04/03/1996 | SHIFT CONTROL METHOD<br>FOR AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 08627405 | 5679095 | 150 | 04/04/1996 | SHIFT CONTROL<br>APPARATUS FOR<br>AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 08627406 | 5797821 | 150 | 04/04/1996 | SHIFT CONTROL<br>APPARARTUS FOR<br>AUTOMATIC<br>TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 08630212 | 5655993 | 150 | 04/10/1996 | SHIFT CONTROL<br>APPARATUS FOR<br>AUTOMATIC<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 08752934 | 5726353 | 250 | 11/20/1996 | SYSTEM FOR DETECTING TORQUE OF AUTOMATIC VEHICLE TRANSMISSION AND CONTROLLING THE SAME BASED ON DETECTED TORQUE           | SHIMADA,<br>TAKAMICHI |
| 08775924 | 5865707 | 150 | 01/02/1997 | SHIFT CONTROL METHOD<br>FOR AN AUTOMATIC<br>TRANSMISSION BASED<br>UPON SLIPPAGE RATES OF<br>ENGAGEMENT ELEMANTS           | SHIMADA,<br>TAKAMICHI |
| 08775928 | 5853349 | 150 | 01/02/1997 | SHIFT CONTROL METHOD  | SHIMADA,              |

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|          |               |     |            | FOR AUTOMATIC<br>TRANSMISSION  | TAKAMICHI             |
|----------|---------------|-----|------------|--|-----------------------|
| 08818792 | 5800298       | 150 | 03/14/1997 | METAL V-BELT TYPE<br>CONTINUOUSLY VARIABLE<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 08997880 | Not<br>Issued | 161 |            | PLANETARY GEAR<br>MECHANISM  | SHIMADA,<br>TAKAMICHI |
| 09113193 | 5935037       | 150 | 07/10/1998 | PLANETARY GEAR<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09128648 | 5931756       | 150 | 08/04/1998 | METAL V-BELT TYPE<br>CONTINUOUSLY VARIABLE<br>TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09135011 | 6007448       | 150 | 08/17/1998 | LUBRICATION STRUCTURE<br>FOR PLANETARY GEAR<br>ASSEMBLY  | SHIMADA,<br>TAKAMICHI |
| 09140283 | 5964675       | 150 | 08/26/1998 | GEAR RATIO SHIFT<br>CONTROL SYSTEM FOR<br>AUTOMATIC VEHICLE<br>TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 09324847 | 6059689       | 150 | 06/03/1999 | CONTROL SYSTEM FOR<br>AUTOMATIC VEHICLE<br>TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 09324861 | 6110065       | 150 | 06/03/1999 | METAL V-BELT   | SHIMADA,<br>TAKAMICHI |
| 09353280 | 6105453       | 150 | 07/14/1999 | CONTROL SYSTEM FOR AUTOMATIC VEHICLE TRANSMISSION WITH SEPARATE RANGE SELECTOR SOLELY FOR ESTABLISHING PARKING RANGE | SHIMADA,<br>TAKAMICHI |
| 09382204 | 6440023       | 150 | 08/23/1999 | METAL V-BELT   | SHIMADA,<br>TAKAMICHI |
| 09382205 | 6516261       | 150 | 08/23/1999 | CONTROL SYSTEM FOR<br>AUTOMATIC VEHICLE<br>TRANSMISSIONS   | SHIMADA,<br>TAKAMICHI |
| 09386449 | 6270437       | 150 | 08/31/1999 | BELT FOR CONTINOUSLY<br>VARIABLE TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 09404736 | 6273837       | 150 | 09/24/1999 | BELT FOR CONTINUOUSLY<br>VARIABLE TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09453501 | 6275760       | 150 | 12/03/1999 | CONTROL SYSTEM FOR<br>AUTOMATIC VEHICLE<br>TRANSMISSIONS   | SHIMADA,<br>TAKAMICHI |
| 09556100 | 6347557       | 150 | 04/20/2000 | Automatic transmission control system  | SHIMADA,<br>TAKAMICHI |

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| 09581219 | 6332854        | 150 | 06/22/2000 | Belt for continuously variable transmission   | SHIMADA,<br>TAKAMICHI |
|----------|----------------|-----|------------|---|-----------------------|
| 09597755 | 6565469        | 150 | 06/19/2000 | BELT FOR CONTINUOUSLY VARIABLE TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09615053 | 6409620        | 150 | 07/12/2000 | BELT FOR CONTINUOSLY<br>VARIABLE TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09618718 | 6345548        | 150 | 07/18/2000 | Automatic transmission control system   | SHIMADA,<br>TAKAMICHI |
| 09657629 | <u>6626783</u> | 150 |            | BELT FOR CONTINUOUSLY<br>VARIABLE TRANSMISSION  | SHIMADA,<br>TAKAMICHI |
| 09673646 | 6482117        | 150 | 10/31/2000 | METHOD OF CONTROLLING<br>SPEED CHANGING RATE<br>FOR METAL BELT TYPE<br>NON-STAGE<br>TRANSMISSIONS | SHIMADA,<br>TAKAMICHI |
| 09731711 | 6428448        | 150 | 12/08/2000 | CONSTANT-SPEED<br>RUNNING CONTROLLER<br>FOR VEHICLE   | SHIMADA,<br>TAKAMICHI |
| 09737556 | 6402661        | 150 | 12/18/2000 | APPARATUS FOR<br>CONTROLLING AN<br>AUTOMATIC<br>TRANSMISSION                                      | SHIMADA,<br>TAKAMICHI |
| 09785526 | 6439073        | 150 | 02/20/2001 | SHIFT CONTROL SYSTEM<br>FOR VEHICULAR<br>AUTOMATIC<br>TRANSMISSION                                | SHIMADA,<br>TAKAMICHI |
| 09797854 | 6443025        | 150 | 03/05/2001 | SHIFT CONTROL SYSTEM<br>FOR VEHICULAR<br>AUTOMATIC<br>TRANSMISSION                                | SHIMADA,<br>TAKAMICHI |
| 09925929 | 6613334        | 150 | 08/10/2001 | BELT FOR CONTINUOUSLY VARIABLE TRANSMISSION   | SHIMADA,<br>TAKAMICHI |
| 09926170 | 6755760        | 150 | 01/15/2002 | BELT FOR NON-STAGE<br>TRANSMISSIONS   | SHIMADA,<br>TAKAMICHI |
| 09983275 | 6676566        | 150 | 10/23/2001 | CONTROL SYSTEM FOR AN AUTOMATIC TRANSMISSION OF A VEHICLE   | SHIMADA,<br>TAKAMICHI |
| 10163872 | 6695744        | 150 | 06/07/2002 | ENGINE-RESTART<br>STARTING CONTROL<br>SYSTEM FOR<br>TRANSMISSION                                  | SHIMADA,<br>TAKAMICHI |
| 10224630 | 7191856        | 150 | 08/21/2002 | POWER TRANSMISSION<br>SYSTEM FOR HYBRID<br>VEHICLE  | SHIMADA,<br>TAKAMICHI |

Search Another: Inventor Last Name First Name SHIMADA TAKAMICHI Search

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Day: Thursday

Date: 3/29/2007

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## PALM INTRANET

#### **Inventor Name Search Result**

Your Search was:

Last Name = SHIMADA First Name = TAKAMICHI

| Application# | Patent#       | Status | Date Filed | Title   | Inventor Name         |
|--------------|---------------|--------|------------|---|-----------------------|
| 10713431     | Not<br>Issued | 93     |            | MOVING OBJECT DETECTION DEVICE, MOVING OBJECT DETECTION METHOD, AND MOVING OBJECT DETECTION PROGRAM | SHIMADA,<br>TAKAMICHI |
| 10805392     | Not<br>Issued | 30     |            | Gesture recognition apparatus, gesture recognition method, and gesture recognition program          | SHIMADA,<br>TAKAMICHI |
| 10808327     | Not<br>Issued | 30     | 03/25/2004 | Moving object detection system  | SHIMADA,<br>TAKAMICHI |
| 10808336     | Not<br>Issued | 30     | 03/25/2004 | Biped robot control system  | SHIMADA,<br>TAKAMICHI |
| 10914338     | Not<br>Issued | 30     | 08/10/2004 | Picture taking mobile robot   | SHIMADA,<br>TAKAMICHI |
| 10915535     | Not<br>Issued | 30     | 08/11/2004 | Information gathering robot   | SHIMADA,<br>TAKAMICHI |
| 11015796     | Not<br>Issued | 30     |            | Apparatus, method and program for moving object detection   | SHIMADA,<br>TAKAMICHI |
| 11251802 -   | Not<br>Issued | 30     | 1          | Robot overcurrent prevention system   | SHIMADA,<br>TAKAMICHI |
| 11365914     | Not<br>Issued | 30     |            | Communication system between vehicles   | SHIMADA,<br>TAKAMICHI |

Inventor Search Completed: No Records to Display.

**Last Name** First Name Search Another: Inventor SHIMADA TAKAMICHI

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## PALM INTRANET

Day: Thursday Date: 3/29/2007

Time: 14:51:36

#### **Inventor Name Search Result**

Your Search was:

Last Name = HIGAKI First Name = NOBUO

| Application# | Patent#       | Status | Date Filed | Title   | Inventor Name |
|--------------|---------------|--------|------------|---|---------------|
| 07994989     | Not<br>Issued | 166    | 12/22/1992 | PIPELINE DATA PROCESSOR<br>WITH ARITHMETIC/LOGIC<br>UNIT CAPABLE OF<br>PERFORMING DIFFERENT<br>KINDS OF CALCULATIONS IN<br>A PIPELINE STAGE | HIGAKI, NOBUO |
| 08121799     | 5481679       | 150    |            | DATA PROCESSING APPARATUS HAVING BUS SWITCHES FOR SELECTIVELY CONNECTING BUSES TO IMPROVE DATA THROUGHPUT                                   | HIGAKI, NOBUO |
| 08333747     | 5628018       | 150    | 11/03/1994 | DATA PROCESSING<br>APPARATUS HANDLING<br>PLURAL DIVIDED<br>INTERRUPTION   | HIGAKI, NOBUO |
| 08419957     | 5649229       | 150    | 04/10/1995 | PIPELINE DATA PROCESSOR<br>WITH ARITHMETIC/LOGIC<br>UNIT CAPABLE OF<br>PERFORMING DIFFERENT<br>KINDS OF CALCULATIONS IN<br>A PIPELINE STAGE | HIGAKI, NOBUO |
| 08588051     | 5850551       | 150    | 01/22/1996 | COMPILER AND PROCESSOR<br>FOR PROCESSING LOOPS AT<br>HIGH SPEED   | HIGAKI, NOBUO |
| 08589802     | 5758162       | 150    |            | PROGRAM TRANSLATING APPARATUS AND A PROCESSOR WHICH ACHIEVE HIGH-SPEED EXECUTION OF SUBROUTINE BRANCH INSTRUCTIONS                          | HIGAKI, NOBUO |
| 08589854     | 6170998       | 150    |            | PROCESSOR WHICH RETURNS<br>FROM A SUBROUTINE AT<br>HIGH SPEED AND A   | HIGAKI, NOBUO |

|          |         |     |            | PROGRAM TRANSLATING<br>APPARATUS WHICH<br>GENERATES MACHINE<br>PROGRAMS THAT MAKES A<br>HIGH-SPEED RETURN FROM A<br>SUBROUTINE                                 |               |
|----------|---------|-----|------------|--|---------------|
| 08625627 | 5909565 | 150 | 03/29/1996 | MICROPROCESSOR SYSTEM<br>WHICH EFFICIENTLY SHARES<br>REGISTER DATA BETWEEN A<br>MAIN PROCESSOR AND A<br>COPROCESSOR  | HIGAKI, NOBUO |
| 08640082 | 5748970 | 150 |            | INTERRUPT CONTROL DEVICE FOR PROCESSING INTERRUPT REQUEST SIGNALS THAT ARE GREATER THAN INTERRUPT LEVEL SIGNALS  | HIGAKI, NOBUO |
| 08716946 | 5796970 | 150 |            | INFORMATION PROCESSING<br>APPARATUS FOR REALIZING<br>DATA TRANSFER FOR A<br>PLURALITY OF REGISTERS<br>USING INSTRUCTIONS OF<br>SHORT WORD LENGTH               | HIGAKI, NOBUO |
| 08721681 | 5847978 | 150 |            | PROCESSOR AND CONTROL<br>METHOD FOR PERFORMING<br>PROPER SATURATION<br>OPERATION   | HIGAKI, NOBUO |
| 08815404 | 6044157 | 150 |            | MICROPROCESOR SUITABLE FOR REPRODUCING AV DATA WHILE PROTECTING THE AV DATA FROM ILLEGAL COPY AND IMAGE INFORMATION PROCESSING SYSTEM USING THE MICROPROCESSOR | HIGAKI, NOBUO |
| 08824984 | 5907694 | 150 | 03/27/1997 | DATA PROCESSING APPARATUS FOR PERFORMING A PIPELINE OPERATION ON A LOAD & EXTENSION INSTRUCTION  | HIGAKI, NOBUO |
| 08825479 | 6018796 | 150 | 03/28/1997 | DATA PROCESSING HAVING<br>A VARIABLE NUMBER OF<br>PIPELINE STAGES  | HIGAKI, NOBUO |
| 08959386 | 5978905 | 150 | 11/18/1997 | PROGRAM TRANSLATING<br>APPARATUS AND A<br>PROCESSOR WHICH ACHIEVE<br>HIGH-SPEED EXECUTION OF<br>SUBROUTINE BRANCH  | HIGAKI, NOBUO |

|          |         |     | <b> </b>   | INSTRUCTIONS   | <u> </u>      |
|----------|---------|-----|------------|--|---------------|
| 08980676 | 5974540 | 150 |            | PROCESSOR WHICH CAN FAVORABLY EXECUTE A ROUNDING PROCESS COMPOSED OF POSITIVE CONVERSION AND SATURATED CALCULATION PROCESSING                        | HIGAKI, NOBUO |
| 08987260 | 5928358 | 150 | 12/09/1997 | INFORMATION PROCESSING APPARATUS WHICH ACCURATELY PREDICTS WHETHER A BUNCH IS TAKEN FOR A CONDITIONAL BRANCH INSTRUCTION, USING SMALL-SCALE HARDWARE | HIGAKI, NOBUO |
| 09096715 | 6085306 | 150 | 06/12/1998 | PROCESSOR FOR EXECUTING<br>HIGHLY EFFICIENT VLIW   | HIGAKI, NOBUO |
| 09097214 | 6219779 | 150 | 06/12/1998 | CONSTANT<br>RECONSTRUCTING<br>PROCESSOR WHICH<br>SUPPORTS REDUCTIONS IN<br>CODE SIZE   | HIGAKI, NOBUO |
| 09105212 | 6161171 | 150 | 06/26/1998 | APPARATUS FOR PIPELINING<br>SEQUENTIAL INSTRUCTIONS<br>IN SYNCHRONISM WITH AN<br>OPERATION CLOCK   | HIGAKI, NOBUO |
| 09124335 | 6209080 | 150 | 07/29/1998 | CONSTANT RECONSTRUCTION PROCESSOR THAT SUPPORTS REDUCTIONS IN CODE SIZE AND PROCESSING TIME  | HIGAKI, NOBUO |
| 09124659 | 6195740 | 150 | 07/29/1998 | CONSTANT RECONSTRUCTING PROCESSOR THAT EXECUTES AN INSTRUCTION USING AN OPERAND DIVIDED BETWEEN INSTRUCTIONS   | HIGAKI, NOBUO |
| 09143943 | 6282632 | 150 | 08/31/1998 | INFORMATION PROCESSOR<br>HAVING DUPLICATE<br>OPERATION FLAGS   | HIGAKI, NOBUO |
| 09144298 | 6230258 | 150 |            | PROCESSOR USING LESS HARDWARE AND INSTRUCTION CONVERSION APPARATUS REDUCING THE NUMBER OF TYPES OF INSTRUCTIONS                                      | HIGAKI, NOBUO |

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| <u>09280777</u> | 6324639 | 150 |            | INSTRUCTION CONVERTING<br>APPARATUS USING<br>PARALLEL EXECUTION CODE   | HIGAKI, NOBUO |
|-----------------|---------|-----|------------|--|---------------|
| 09301284        | 6880150 | 150 |            | PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ AND A COMPILER AN OPTIMIZATION APPARATUS AN ASSEMBLER A LINKER A DEBUGGER AND A DISASSEMBLER FOR SUCH PROCESSOR | HIGAKI, NOBUO |
| 09399577        | 6237084 | 150 |            | PROCESSOR WHICH CAN FAVORABLY EXECUTE A ROUNDING PROCESS COMPOSED OF POSITIVE CONVERSION AND SATURATED CALCULATION PROCESSING  | HIGAKI, NOBUO |
| 09598397        | 6397319 | 150 |            | PROCESSOR FOR EXECUTING HIGHLY EFFICIENT VLIW  | HIGAKI, NOBUO |
| 09606091        | 6802017 | 150 |            | PARTIAL ENABLING OF<br>FUNCTIONAL UNIT BASED<br>ON DATA AND SIZE PAIR IN<br>REGISTER   | HIGAKI, NOBUO |
| 09756068        | 6606703 | 150 |            | PROCESSOR USING LESS HARDWARE AND INSTRUCTION CONVERSION APPARATUS REDUCING THE NUMBER OF TYPES OF INSTRUCTIONS  | HIGAKI, NOBUO |
| 09820130        | 6804396 | 150 |            | GESTURE RECOGNITION<br>SYSTEM  | HIGAKI, NOBUO |
| 09951540        | 6920248 | 150 | 09/14/2001 | CONTOUR DETECTING APPARATUS AND METHOD, AND STORAGE MEDIUM STORING CONTOUR DETECTING PROGRAM   | HIGAKI, NOBUO |
| 10012725        | 6976245 | 150 | II i       | PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ, AND A COMPILER, AN   | HIGAKI, NOBUO |
|                 |         |     | ı          |  | . I           |

|          |               |     |            | OPTIMIZATION APPARATUS,<br>AN ASSEMBLER, A LINKER, A<br>DEBUGGER AND A<br>DISASSEMBLER FOR SUCH<br>PROCESSOR  |               |
|----------|---------------|-----|------------|---|---------------|
| 10045802 | 6976250       | 150 | 10/19/2001 | PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ, AND A COMPILER, AN OPTIMIZATION APPARATUS, AN ASSEMBLER, A LINKER, A DEBUGGER AND A DISASSEMBLER FOR SUCH PROCESSOR | HIGAKI, NOBUO |
| 10051335 | 7080367       | 150 |            | PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ, AND A COMPILER, AN OPTIMIZATION APPARATUS, AN ASSEMBLER, A LINKER, A DEBUGGER AND A DISASSEMBLER FOR SUCH PROCESSOR | HIGAKI, NOBUO |
| 10097759 | Not<br>Issued | 61  |            | Processor for executing highly efficient VLIW   | HIGAKI, NOBUO |
| 10155672 | 6834336       | 150 | II I       | PROCESSOR FOR EXECUTING<br>HIGHLY EFFICIENT VLIW  | HIGAKI, NOBUO |
| 10172216 | 6904135       | 150 | 06/14/2002 | COMPOUND DEVICE AND TELEPHONE STATION DEVICE CONNECTED TO THE SAME, AND POWER SUPPLY SYSTEM AND PORTABLE TELEPHONE SYSTEM USING COMPOUND DEVICE   | HIGAKI, NOBUO |
| 10174108 | 7073169       | 150 | 06/17/2002 | COMPILER DEVICE WITH<br>BRANCH INSTRUCTION<br>INSERTING UNIT  | HIGAKI, NOBUO |
| 10225287 | 6853880       | 150 | 11         | AUTONOMOUS ACTION<br>ROBOT  | HIGAKI, NOBUO |
| 10246482 | 7076638       | 150 | 09/19/2002 | PROCESSOR, COMPILER AND COMPILATION METHOD  | HIGAKI, NOBUO |
| 10289993 | 6901454       | 150 | 11/07/2002 | CIRCUIT GROUP CONTROL<br>SYSTEM   | HIGAKI, NOBUO |

| 10338408 | Not<br>Issued | 83  |            | Processor and program execution method capable of efficient program execution   | HIGAKI, NOBUO |
|----------|---------------|-----|------------|---|---------------|
| 10366502 | RE39121       | 150 |            | PROCESSOR WHICH CAN FAVORABLY EXECUTE A ROUNDING PROCESS COMPOSED OF POSITIVE CONVERSION AND SATURATED CALCULATION PROCESSING | HIGAKI, NOBUO |
| 10563064 | Not<br>Issued | 20  |            | Contour extraction apparatus, contour extraction method, and contour extraction program                                       | HIGAKI, NOBUO |
| 10617506 | Not<br>Issued | 161 |            | Processor using less hardware and instruction conversion apparatus reducing the number of types of instructions               | HIGAKI, NOBUO |
| 10635778 | Not<br>Issued | 30  | 08/07/2003 | Posture recognition apparatus and autonomous robot  | HIGAKI, NOBUO |
| 10667964 | Not<br>Issued | 41  | 09/23/2003 | Receptionist robot system   | HIGAKI, NOBUO |
| 10702478 | Not<br>Issued | 41  | 11/07/2003 | Mobile apparatus  | HIGAKI, NOBUO |
| 10713431 | Not<br>Issued | 93  | 11/17/2003 | MOVING OBJECT DETECTION<br>DEVICE, MOVING OBJECT<br>DETECTION METHOD, AND<br>MOVING OBJECT DETECTION<br>PROGRAM               | HIGAKI, NOBUO |

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| Application# | Patent#       | Status | Date Filed | Title  | Inventor Name |
|--------------|---------------|--------|------------|--|---------------|
| 10720030     | Not<br>Issued | 61     |            | Instruction converting apparatus using parallel execution code                             | HIGAKI, NOBUO |
| 10805392     | Not<br>Issued | 30     | 03/22/2004 | Gesture recognition apparatus, gesture recognition method, and gesture recognition program | HIGAKI, NOBUO |
| 10808327     | Not<br>Issued | 30     | 03/25/2004 | Moving object detection system   | HIGAKI, NOBUO |
| 10808336     | Not<br>Issued | 30     | 03/25/2004 | Biped robot control system   | HIGAKI, NOBUO |
| 10814343     | Not<br>Issued | 41     |            | Image transmission system for a mobile robot   | HIGAKI, NOBUO |
| 10814344     | Not<br>Issued | 41     | 04/01/2004 | Image transmission system for a mobile robot   | HIGAKI, NOBUO |
| 10814782     | Not<br>Issued | 30     | 04/01/2004 | Apparatus, process, and program for controlling movable robot control                      | HIGAKI, NOBUO |
| 10901294     | Not<br>Issued | 30     | 07/29/2004 | DMA transfer controller  | HIGAKI, NOBUO |
| 10915535     | Not<br>Issued | 30     | 08/11/2004 | Information gathering robot  | HIGAKI, NOBUO |
| 10919238     | Not<br>Issued | 41     |            | Signal-processing apparatus and electronic apparatus using same                            | HIGAKI, NOBUO |
| 10965919     | Not<br>Issued | 30     | 10/18/2004 | Face identification apparatus, face identification method, and face identification program | HIGAKI, NOBUO |
| 11009607     | Not<br>Issued | 20     | 12/08/2004 | Circuit group control system   | HIGAKI, NOBUO |
| 11015796     | Not<br>Issued | 30     |            | Apparatus, method and program for moving object detection                                  | HIGAKI, NOBUO |
| 11016920     | Not<br>Issued | 20     | 12/21/2004 | Processor which can favorably execute a rounding process composed of positive conversion   | HIGAKI, NOBUO |

|          |               |    |            | and saturated calculation processing   |               |
|----------|---------------|----|------------|--|---------------|
| 11221903 | Not<br>Issued | 30 | 1          | Control apparatus for movable robot  | HIGAKI, NOBUO |
| 11245357 | Not<br>Issued | 30 |            | Processor for executing instructions in units that are unrelated to the units in wihcih instructions are read, and a compiler, an optimization apparatus, an assembler, a linker, a debugger and a disassembler for such processor | HIGAKI, NOBUO |
| 11301117 | Not<br>Issued | 30 | 12/13/2005 | Face region estimating device, face region estimating method, and face region estimating program   | HIGAKI, NOBUO |
| 11382379 | Not<br>Issued | 30 | 05/09/2006 | DATA TRNASFER<br>APPARATUS, DATA<br>TRANSFER METHOD, AND<br>PROGRAM  | HIGAKI, NOBUO |
| 11452282 | Not<br>Issued | 20 |            | Processor, compiler and compilation method   | HIGAKI, NOBUO |
| 11572680 | Not<br>Issued | 19 | 01/01/0001 | IMAGE ENCODING DEVICE<br>AND METHOD  | HIGAKI, NOBUO |
| 11634315 | Not<br>Issued | 25 | 12/06/2006 | Human being detection apparatus, method of detecting human being, and human being detecting program  | HIGAKI, NOBUO |

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